

## LC/UPC-SC/UPC

## PATCHCORD DATASHEET

### Connector LC properties

Connector LC	Multimode OM1, OM2, OM3, OM4	Singlemode OS2
Polishing	UPC	UPC
Return loss	≤ 20 dB	≤ 55 dB
Insertion loss	≤ 0,3 dB	0,15 dB (typical)
Ferrule material	Ceramic (zirkonía)	Ceramic (zirkonía)
Ferrule diameter	1,25 mm	1,25 mm
Instion/extraction cycles	min. 1000	min. 1000

### Connector SC properties

Connector SC	Multimode OM1, OM2, OM3, OM4	Singlemode OS2
Polishing	UPC	UPC
Return loss	≤ 35 dB	≤ 50 dB
Insertion loss	≤ 0,3 dB	0,15 dB (typical)
Ferrule material	Ceramic (zirkonía)	Ceramic (zirkonía)
Ferrule diameter	2,5mm	2,5 mm
Instion/extraction cycles	min. 1000	min. 1000

### Cable properties

Cabled optical fibre	OM1	OM2	OM3	OM4	OS2
Nominal diameter core/ sheath	62,5/125 µm	50/125 µm	50/125 µm	50/125 µm	09/125 µm
Color	orange	orange	tuquoise	purple	Yellow
Auter diameter	3 mm	3 mm	3 mm	3 mm	3 mm
Sheath material	LSOH	LSOH	LSOH	LSOH	LSOH
Beding radius (static)	45 mm	45 mm	45 mm	45 mm	45 mm
Temperature range	-20°C to+70°C	-20°C to+70°C	-20°C to+70°C	-20°C to+70°C	-20°C to+70°C
Attenuation @ 850/ 1300nm (dB/km)	≤3,2/≤0,8	≤3,2/≤0,8	≤3,2/≤0,8	≤3,2/≤0,8	≤3,2/≤0,8
Attenuation @ 1310/1383/1550 nm (dB/km)	-	-	-	-	≤0,4/≤0,4/≤0,4

Bandwidth	OM1	OM2	OM3	OM4
850/1300 nm (MHz.km) @ LED	200/500	500/500	1500/500	3500/500
850 nm (MHz.km) @LASER	-	-	2000	4700

